

Product Name: SNIPER(ER)-87

Catalog No.: 7120

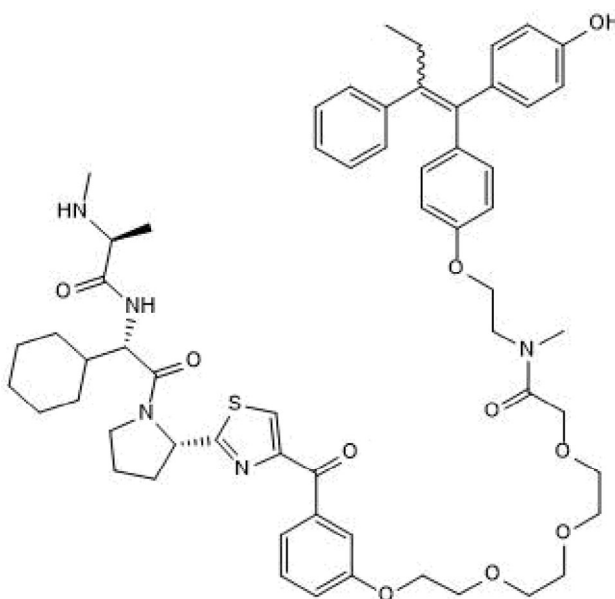
Batch No.: 1

CAS Number: 2222354-91-6

IUPAC Name: (2S)-N-[(1S)-1-Cyclohexyl-2-[(2S)-2-[4-[3-[[14-[4-[1-(4-hydroxyphenyl)-2-phenyl-1-buten-1-yl]phenoxy]-12-methyl-11-oxo-3,6,9-trioxa-12-azatetradec-1-yl]oxy]benzoyl]-2-thiazolyl]-1-pyrrolidinyl]-2-oxoethyl]-2-(methylamino) propanamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₅₉ H ₇₃ N ₅ O ₁₀ S.
Batch Molecular Weight:	1044.32
Physical Appearance:	White solid
Solubility:	DMSO to 100 mM
Storage:	Store at -20°C
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 99.2% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	

	Carbon	Hydrogen	Nitrogen
Theoretical	67.86	7.05	6.71
Found	67.47	7.11	6.62

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

SNIPER(ER)-87 is a potent and selective estrogen receptor α (ER α) Degradar (Specific and Nongenetic IAP-dependent Protein Erasers or SNIPER) (DC₅₀ = 3 nM). SNIPER(ER)-87 comprises the IAP binding ligand LCL 161 (Cat. No. 7178) joined by a linker to the estrogen-binding moiety 4-hydroxytamoxifen (Cat. No. 3412). The product decreases ER α levels in breast cancer cells in vitro and in mouse ovaries in vivo. SNIPER(ER)-87 also reduces ER α levels and inhibits tumor proliferation in breast cancer xenograft mouse models. ER alpha/NR3A1 antibodies validated for Simple Western™ (automated Western) instruments and Western Blo... Please see product specific page on www.tocris.com for full description.

Physical and Chemical Properties:

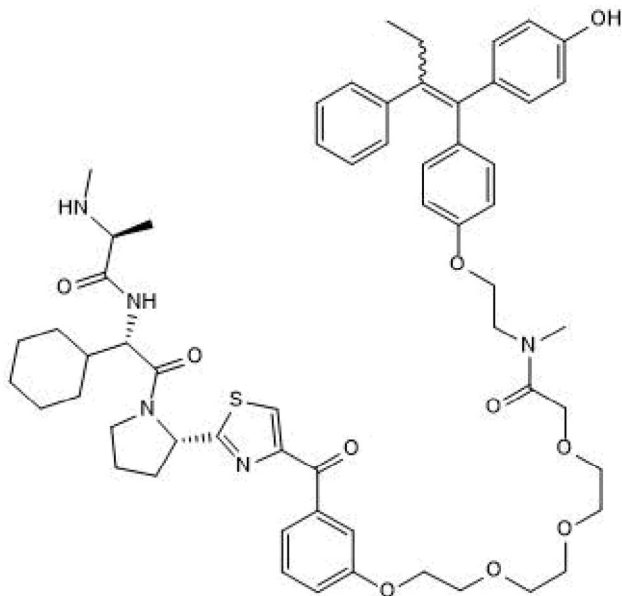
Batch Molecular Formula: C₅₉H₇₃N₅O₁₀S.

Batch Molecular Weight: 1044.32

Physical Appearance: White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at -20°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Ohoka *et al* (2017) *In vivo* knockdown of pathogenic proteins via specific and nongenetic inhibitor of apoptosis protein (IAP)-dependent protein erasers (SNIPERs). *J Biol Chem* **292** 4556. PMID: 28154167
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